

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Michelle M. HANNA

Appl. No.: *To Be Assigned (Div. of Appl.  
No. 09/984,664; Filed: October 30, 2001)*

Filed: *herewith*

For: **Molecular Detection Systems  
Utilizing Reiterative  
Oligonucleotide Synthesis**

Confirmation No.:

Art Unit: *to be assigned*

Examiner: *to be assigned*

Atty. Docket: 2072.0010003/LBB/SJE

**Request to Approve Proposed Drawing Corrections**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

Changes are sought to correct obvious defects in the informal drawings, prior to submission of formal drawings. Attached are copies of 6 sheet(s) of drawings, containing proposed corrections to Figures 3, 13, 14, 15, 30 and 31 shown in red. For comparison purposes, unmarked original and amended drawings are also provided. The proposed changes add no new matter to this application.

In Figure 3, the letter H had been overlaid on O, C, and N, obscuring the identity of the functional group. It is obvious to one of ordinary skill in the art that the correct functional groups are OH, CH<sub>2</sub>, and NH or NH<sub>2</sub> respectively. Similarly, the negative charge sign (-) was incorrectly overlain upon certain O groups. The (-) has been moved so that the "O-" can be clearly seen.

In Figure 13, the 11<sup>th</sup> letter in the second methylated strand should obviously be a letter G, not an A, corresponding to the letter G at the same position in the other 3 strands shown. Essentially the same nucleotide sequence is found in Figures 13 through 15.

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In Figure 14, obvious errors in the sequence have been corrected to ensure that the sequences are the same in Figures 13, 14 and 15. To that end, the 11<sup>th</sup> letter in both strands is changed from A to G; the 22<sup>nd</sup> letter in the deaminated unmethylated DNA has been changed from G to A; and the fifth letter in the deaminated methylated DNA has been changed from Me-U to Me-C.

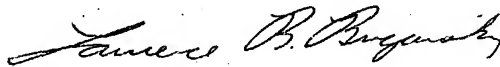
In Figure 15 it is clear that the nucleotide in the left and right strands do not correctly align. The DNA sequence in the left strand has now been shifted down one nucleotide, so that all nucleotides correctly align.

All of the above errors were most likely introduced as a result of an error by the original draftsman of the informal drawings and have been corrected in the replacement sheets of drawings. These corrections are sought to bring the drawings into conformity with the description.

Figures 29A, 29B and 29C have been cancelled. In order to correctly number the subsequent Figures, renumbering of Figures 30 and 31 is sought.

Applicant requests that the Examiner approve the proposed corrections. After official communication of such approval, Applicants will submit appropriately corrected formal drawings.

Respectfully submitted,



Lawrence B. Bugaisky  
Attorney for Applicant  
Reg. No. 35,086

Date: June 14, 2003  
1100 New York Avenue, N.W.  
Washington, D.C. 20005-3934  
(202) 371-2600

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